

**IN THE CLAIMS:**

Please amend the claims as follows:

1.-38. (Cancelled).

39. (Currently Amended) A tissue spectroscopy device comprising:

a spectrometer comprising a distal end, said distal end comprising:

a light emitting portion providing ~~to-tissue~~ only ultraviolet (UV) light to tissue, and

a light detector; and

an interventional device for delivering said spectrometer to a tissue.

40. (Previously Presented) The device of claim 39 further comprising a filter associated with said light detector, filtering at least a portion of light received by said detector.

41. (Previously Presented) The device of claim 40 wherein said filter is a bandpass filter centered around 380 nm.

42. (Previously Presented) The device of claim 40 wherein said light detector comprises a first channel and a second channel and wherein said filter is disposed on said first channel.

43. (Previously Presented) The device of claim 39 wherein said light emitting portion

comprises a light source.

- 44. (Previously Presented) The device of claim 43 wherein said light emitting portion further comprises a lens.
- 45. (Previously Presented) The device of claim 43 wherein said light emitting portion further comprises a filter, said filter permitting light output only within the UV range.
- 46. (Previously Presented) The device of claim 39 wherein said distal end further comprises a substrate, said light emitting portion and said light detector both disposed on a first surface of said substrate.
- 47. (Previously Presented) The device of claim 46 wherein said spectrometer further comprises a heat sink disposed on a second surface of said substrate opposite said first surface.
- 48. (Previously Presented) The device of claim 46 wherein said spectrometer further comprises a light modulator disposed on said first surface of said substrate, a mirror disposed on said light modulator at an angle to receive light emitted by said light source, and an etched gap between said light modulator and said light source.
- 49. (Previously Presented) The device of claim 46 wherein said substrate comprises doped silicon.
- 50. (Previously Presented) The device of claim 39 wherein said light detector comprises an avalanche photodiode array.
- 51. (Previously Presented) The device of claim 39 wherein said distal end further comprises a

substantially transparent window.

52. (Previously Presented) The device of claim 51 wherein said window comprises a material selected from a group consisting of polystyrene, polycarbonate, and methyl-methacrylate.
53. (Previously Presented) The device of claim 39 wherein said spectrometer further comprises an optical device selected from the group consisting of a lens, a filter, a mirror, a frequency multiplier, a binary optical step, a grating, and a hologram.
54. (Previously Presented) The device of claim 53 wherein said filter is serrated.
55. (Previously Presented) A method for characterizing a tissue, said method comprising the steps of:
- (a) providing a spectrometer comprising a distal end, said distal end comprising a light emitting portion and a light detector;
  - (b) using an interventional device to deliver said spectrometer to a tissue;
  - (c) connecting said spectrometer to a power source;
  - (d) transmitting only ultraviolet (UV) light through said light emitting portion to illuminate said tissue; and
  - (e) using said light detector to measure an optical property of light from illuminated tissue.
56. (Previously Presented) The method of claim 55, wherein step (e) comprises using a filter

to filter at least a portion of light received by said detector.

- 57. (Previously Presented) The method of claim 56, wherein said light detector comprises a first channel and a second channel and wherein said filter is disposed on said first channel.
- 58. (Previously Presented) The method of claim 55 wherein the light emitting portion comprises a light source and a filter, and said step (d) comprises using said filter to filter the light from said light source such that the light output is only in the UV range.
- 59. (Previously Presented) The device of claim 45 wherein said filter permits all wavelengths between about 300 nm to 400 nm.